

**STATE OF VERMONT  
PUBLIC SERVICE BOARD**

**DOCKET NO. 6860**

Petitions of Vermont Electric Power Company )  
Inc. (VELCO) and Green Mountain Power )  
Corporation (GMP) for a certificate of public )  
good, pursuant to 30 V.S.A. Section 248, )  
authorizing VELCO to construct the so-called )  
Northwest Reliability Project )

**PREFILED DIRECT TESTIMONY OF  
CARLA A. WHITE**

**And**

**LAWRENCE G. CRIST**

**ON BEHALF OF  
VERMONT DEPARTMENT OF PUBLIC SERVICE**

**December 17, 2003**

The purpose of Ms. White's and Mr. Crist's testimony is to sponsor the Vermont Department of Health's ("VDH") Position Paper ("VDH Position Paper") on Electric and Magnetic Fields ("EMF") and the Vermont Electric Power Company ("VELCO") Northwest Vermont Reliability Project ("NRP"). The VDH Position Paper (1) describes the current scientific view of human health effects related to EMF; (2) analyzes whether the projected EMF for the NRP will be less, the same, or greater than the existing VELCO lines are projected to produce; (3) analyzes whether the VELCO testimony corresponds with the current scientific view of human exposure to EMF; (4) provides VDH's policy on prudent avoidance; (5) describes and discusses public comments posed at public hearings on the NRP; and (6) analyzes whether the NRP specifically poses any EMF concerns from VDH's perspective.

1 Q. Please state your name and business address.

2 A. Carla A. White:

3 My name is Carla A. White. My business address is Radiological Health, Health  
4 Protection, Vermont Department of Health, 108 Cherry Street, PO Box 70, Burlington,  
5 VT 05402-0070.

6

7 Lawrence G. Crist:

8 My name is Lawrence G. Crist. My business address is Health Protection,  
9 Vermont Department of Health, 108 Cherry Street, PO Box 70, Burlington, VT 05402-  
10 0070.

11

12 Q. By whom are you employed and in what capacity?

13 A. Carla A. White:

14 I am employed by the Vermont Department of Health as a Radiological Health  
15 Specialist.

16

17 Lawrence G. Crist:

18 I am employed by the Vermont Department of Health as Director of the Division  
19 of Health Protection.

20

21 Q. Please describe briefly your education and professional background.

22 A. Carla A. White:

23 My resume is attached as EXHIBIT DPS-VDH-1.

1           Lawrence G. Crist:

2           For the past 7 years I have been employed within the Vermont Department of  
3   Health as the Director of the Division of Health Protection. In this capacity I am  
4   responsible for oversight of Toxicology & Risk Assessment, Medical Examiner's Office,  
5   Environmental Health, Emergency Medical Services, Radiological Health, Emergency  
6   Planning & Response, Vermont Yankee environmental surveillance and emergency  
7   response, regulatory oversight regarding lead and asbestos removal and the inspection of  
8   Food & Lodging establishments. Within that context, I am routinely engaged in risk  
9   management decisions involving a wide range of public health issues.

10          My service within Vermont state government is as follows: I have served as the  
11   Director of Licensing for the Department of Social & Rehabilitation Services (1986 –  
12   1990); Deputy-Commissioner of the Department of Health ( 1990 – 1991), Commissioner  
13   of the Dept. of Aging & Disabilities (1991 – 1996), and Director of Health Protection  
14   since that time. I hold the following educational degrees: Masters in Science and Social  
15   Services (Boston Univ. 1976); Juris Doctorate (Tulane University, 1974) and Bachelor  
16   of Science (Nicholls University, 1971).

17          My resume is attached as EXHIBIT DPS-VDH-2.

18

19   Q.     What is the purpose of your testimony?

20   A.     The purpose of Ms. White's and Mr. Crist's testimony is to sponsor the Vermont  
21   Department of Health's ("VDH") Position Paper ("VDH Position Paper") on Electric and  
22   Magnetic Fields ("EMF") and the Vermont Electric Power Company ("VELCO")  
23   Northwest Vermont Reliability Project ("NRP"). The VDH Position Paper (1) describes

1 the current scientific view of human health effects related to EMF; (2) analyzes whether  
2 the projected EMF for the NRP will be less, the same, or greater than the existing  
3 VELCO lines are projected to produce; (3) analyzes whether the VELCO testimony  
4 corresponds with the current scientific view of human exposure to EMF; (4) provides  
5 VDH's policy on prudent avoidance; (5) describes and discusses public comments posed  
6 at public hearings on the NRP; and (6) analyzes whether the NRP specifically poses any  
7 EMF concerns from VDH's perspective. The VDH Position Paper is attached as Exhibit  
8 DPS-VDH-3.

9

10 Q. Would you please describe how the VDH Position Paper was developed?

11 A. The VDH Position Paper was developed (1) from extensive reviews of the  
12 scientific literature, (2) from an Excel program of the standard Bonneville Power  
13 Authority (BPA) program that was provided by VELCO in order to analyze data (3) data  
14 provided by VELCO, (4) by taking magnetic field measurements of the present  
15 transmission lines in the proposed transmission line corridor, and (5) by taking magnetic  
16 field measurements of existing power lines similar to those proposed.